

The Files - RD-110, T. O. 9

31 December 1958

25X1A9a

Trip Report - Visual Readout Device, DS-1

25X1A5a1 1. On 17 December 1958 a visit was made to the [REDACTED] 25X1A5a1
[REDACTED] to monitor progress on the development
of the DS-1, Visual Readout Device. Persons present at the dis-
cussions were:

25X1A5a1 [REDACTED] Project Engineer
25X1A9a [REDACTED] - OC-E/RAD-EP

25X1A5a1 [REDACTED] was not present at this
meeting because of the arrival a new addition to his family.

25X1A5a1 2. The DS-1 has been completely breadboarded and connected
together, and it is now undergoing test and evaluation by [REDACTED] 25X1A5a1
This visual readout device consists of a transmitter adaptor and
receiver readout unit. [REDACTED] stated that several modifications to
the receiver portion will be required to correct the instability of
this device. When the modification work has been completed, the
whole assembly will then be packaged. This packaging work is
estimated to begin in about three weeks.

25X1A5a1 3. The transmitter adaptor utilizes a standard teletype tape
input, converting the Baudot code into the binary code (five pulses
converted to four pulses), and a ring counter to trigger one of two
audio oscillators. These two oscillators have a frequency of $f_1=1500$
cycles and $f_2=2000$ cycles. These two frequencies are then fed 25X1A5a1
directly into the modulator of an AM transmitter. [REDACTED] stated that
[REDACTED] was trying to obtain a transmitter distributor (TD) from
the [REDACTED] It was pointed out that this need not be
done since the Government would furnish [REDACTED] (GFE) a transmitter 25X1A5a1
distributor. It was noted that the only portions of the TD that
the transmitter adaptor requires are the sensing fingers and the tape
stepping mechanism. This then eliminates any consideration being
given to the start and stop pulses normally generated in the 7-unit
Baudot code.

25X1A5a1 4. [REDACTED] stated that the delivery date of the contract would
have to be extended until the middle of March 1959 but that there
would be no requirement for additional funds. Later, when talking

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to [REDACTED] by telephone, he stated that to insure sufficient time to complete the packaging and to eliminate the possibility of a repeat request for time extension, the delivery schedule should be set for April. [REDACTED] statement that no additional funds would be required and that their total spending would be within \$1000 of the total contract funds.

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[REDACTED] 25X1A9a

OC-E/R&D-EP/DWR:wlj (31 December 1958)
cc: R&D Subject
Monthly Report (2)
HL&D Lab
OC-T
R&D Chrono
EP Chrono

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